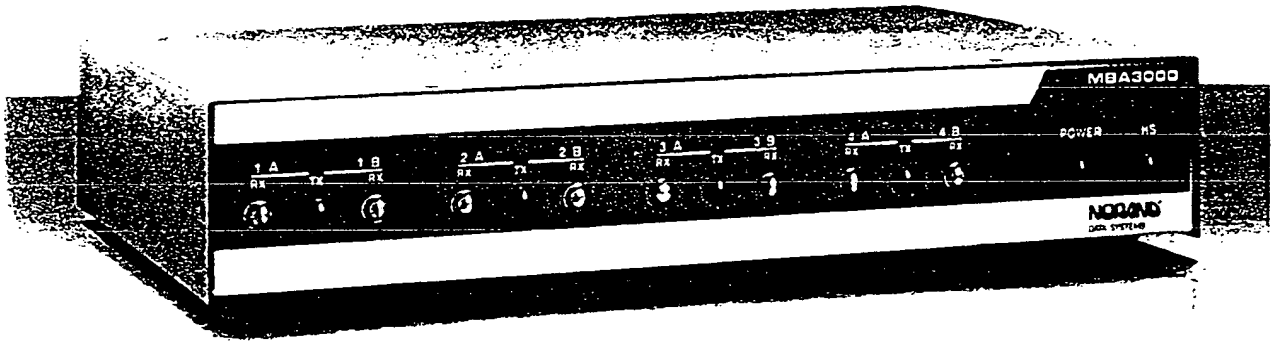
APPENDIX A

Brochure entitled "MBA3000 Multiple Base Adapter" (Two Sides)

MBA3000 Multiple Base Adapter

The NORAND® MBA3000 Multiple Base Adapter Dramatically Extends the Radio Frequency Coverage Area



SYSTEM FEATURES

- Increases UHF coverage range by up to 400%
- Dual independent receiving improves contention response time during heavy RF transmission activity
- Supports multiple remote warehouses over standard telephone lines
- Dynamic time-division multiplexing, simulcast transmissions, and dual independent receiving provides the best possible RF coverage for the most difficult RF environments
- Allows up to 8 base stations to be operated when used in conjunction with the NORAND® RC2250, RC3240, and the RC3250 Network Controllers

The new MBA3000 Multiple Base Adapter from Norand Corporation increases the RC2250, RC3240, or RC3250 Network Controller UHF base support from 2 bases to up to 8 bases. This increased support increases UHF coverage range by up to 400% and is ideal for multiple remote warehouse facilities.

Dynamic time-division multiplexing insures adequate response time no matter where the RF terminal is located. The Multiple Base Adapter implements simulcast transmissions to allow for increased range without loss of user response time. Dual independent receiving improves contention response time during heavy RF transmission activity.

The MBA3000's operation is controlled by the RC2250, RC3240, or RC3250 Network Controller. It is a free standing unit that can be stacked or mounted horizontally.

The combination of dynamic time-division multiplexing, simulcast transmissions, and dual independent receiving provides the best possible RF coverage for the most difficult RF environments.

NORAND®
DATA SYSTEMS

MBA3000 Multiple Base Adapter

SPECIFICATIONS

PRODUCT FEATURES

Simulcast Mode: Allows the use of 1 to 8 base transceivers where the bases are configured as 4 pairs of 2 bases using the dynamic time-division multiplexing method

Sequential Mode: Allows the use of 1 to 4 bases with the RC3240/RC3250 Network Controller only using the dynamic time-division multiplexing method

Power Accessories: NC3000 external 12 volt DC power supply or a power cable to the RC2250 are available

Controller Interface: RS232 cables from the RC2250 Network Controller to the MBA3000

OR

RS232 cables from the RC3240/RC3250 Network Controller to the MBA3000

OR

Single RS232 cable from the RC3240/RC3250 Network Controller to the MBA3000 for sequential mode

Base Radio Interface: RS422 cable from the MBA3000 to the RB3000 or RB2212 Base Radios

OR

RS232 cable from the MBA3000 to the RB3000 or RB2212 Base Radio

OR

RS232 cable to modem

Light Emitting Diode (LED): There are 14 LEDs including, "Power," "High Speed," Four-"Transmit LEDs for each Channel," and Eight-"Receiving LEDs for each of the Eight Base Ports"

Communications Ports: There are 10 communication ports, two 9-pin D-subs for connection to the controller and eight 25-pin D-subs for connection to bases

PHYSICAL CHARACTERISTICS

Size: 14" x 2.5" x 10" (LWD)
(35.56cm x 6.35cm x 25.4cm)

Weight: 6 pounds (2.7kg)

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature: 32° to 122°F (0° to 50°C)

Storage Temperature: -40° to 158°F (-40° to 70°C)

Humidity: 0 to 95% noncondensing

Static Shock Protection: The MBA3000 is unaffected by a 15kV static discharge to any exterior surface or attachable cord during tests conducted with a 150 ohm probe

Radio Frequency Interference: The MBA3000 will not radiate or conduct electromagnetic emissions in excess of the level described by the FCC part 15, Subpart J, Class A Standard for computing devices

NORAND®
DATA SYSTEMS

Norand Corporation
550 Second Street S.E.
Cedar Rapids, Iowa 52401
Phone: 319-369-3156
1-800-553-5971 toll free (ext. 3156)

Norand International Corporation
5 Bennet Court
Bennet Road
Reading, Berkshire RG2 OQX
England
Phone: (44) 734-861221
FAX: (44) 734-861156

Norand Data Systems, Ltd.
951 Denison Street
Unit #4
Markham, Ontario,
Canada L3R 3W9
Phone: 416-477-1818
FAX: 416-477-2242